

traceoptions

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| Syntax | <pre>traceoptions { file <i>file-name</i> <files <i>number</i>> <size <i>size</i>> <world-readable no-world-readable> <match <i>regex</i>>; flag <i>flag</i>; }</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 jdhcpd in the directory /var/log. 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 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.</p> <p>If you specify a maximum number of files, you also must specify a maximum file size with the size option and a filename.</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■ 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
- **rpd**—Trace routing protocol process events
- **rtsock**—Trace routing socket operations
- **session-db**—Trace session database operations
- **state**—Trace changes in state
- **ui**—Trace user interface operations

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

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 this size, it is renamed **trace-file.0**. When the **trace-file** 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 also must specify a maximum number of trace files with the **files** option and filename.

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

Range: 0 bytes through 4,294,967,295 KB

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

Published: 2009-07-16