

traceoptions (Extended DHCP Local Server)

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| Syntax | <pre>traceoptions { file <i>filename</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 logical-systems <i>logical-system-name</i> routing-instances <i>routing-instance-name</i> system services dhcp-local-server], [edit logical-systems <i>logical-system-name</i> system services dhcp-local-server], [edit routing-instances <i>routing-instance-name</i> system services dhcp-local-server], [edit system services dhcp-local-server] |
| Release Information | Statement introduced in JUNOS Release 9.0. |
| Description | Define tracing operations for DHCP processes. |
| Options | <p>file <i>filename</i>—Name of the file that receives the output of the tracing operation. Enclose the name in quotation marks. All files are placed in the directory <code>/var/log</code>.</p> <p>files <i>number</i>—(Optional) Maximum number of trace files. When a trace file named <code>trace-file</code> reaches its maximum size, it is renamed <code>trace-file.0</code>, then <code>trace-file.1</code>, 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 <code>size</code> option and a filename. Range: 2 through 1000 Default: 3 files</p> <p>flag <i>flag</i>—Tracing operation to perform. To specify more than one tracing operation, include multiple <code>flag</code> statements. You can include the following flags:</p> <ul style="list-style-type: none">■ <code>all</code>—Trace all operations.■ <code>auth</code>—Trace authentication operations.■ <code>database</code>—Trace database events.■ <code>fwd</code>—Trace firewall process events.■ <code>general</code>—Trace miscellaneous events.■ <code>ha</code>—Trace high availability-related events.■ <code>interface</code>—Trace interface operations.■ <code>io</code>—Trace I/O operations.■ <code>packet</code>—Trace packet decoding operations.■ <code>packet-option</code>—Trace DHCP option decoding operations.■ <code>rpd</code>—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 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: 10 KB through 1 GB

Default: 128 KB

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

Usage Guidelines See Tracing Extended DHCP Local Server Operations

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

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