

## traceoptions

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<b>Syntax</b>	<pre>traceoptions {     file <i>filename</i> &lt;files <i>number</i>&gt; &lt;size <i>size</i>&gt; &lt;world-readable   no-world-readable&gt; &lt;match         <i>regex</i>&gt;;     flag <i>flag</i>; }</pre>
<b>Hierarchy Level</b>	[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]
<b>Release Information</b>	Statement introduced in JUNOS Release 9.0.
<b>Description</b>	Define tracing operations for DHCP processes.
<b>Options</b>	<p>file <i>filename</i>—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 <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.</p> <p><b>Range:</b> 2 through 1000</p> <p><b>Default:</b> 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"><li>■ all—Trace all operations.</li><li>■ auth—Trace authentication operations.</li><li>■ database—Trace database events.</li><li>■ fwd—Trace firewall process events.</li><li>■ general—Trace miscellaneous events.</li><li>■ ha—Trace high availability-related events.</li><li>■ interface—Trace interface operations.</li><li>■ io—Trace I/O operations.</li><li>■ packet—Trace packet decoding operations.</li><li>■ packet-option—Trace DHCP option decoding operations.</li><li>■ rpd—Trace routing protocol process events.</li></ul>

- **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.

**Required Privilege Level**

**system**—To view this statement in the configuration.

**system-control**—To add this statement to the configuration.

**Related Topics**

- Tracing Extended DHCP Operations

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