

traceoptions

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 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 <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.</p> <p>If you specify a maximum number of files, you also must specify a maximum file size with the <i>size</i> 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 <i>flag</i> statements. You can include the following flags:</p> <ul style="list-style-type: none">■ all—Trace all operations.■ auth—Trace authentication operations.■ 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 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