

tracoptions (Diameter Base Protocol)

Syntax tracoptions {
 file <filename> <files number> <match regular-expression > <size maximum-file-size>
 <world-readable | no-world-readable>;
 flag flag;
 level (all | error | info | notice | verbose | warning);
 no-remote-trace;
}

Hierarchy Level [edit system processes diameter-service]

Release Information Statement introduced in JUNOS Release 9.6.

Description Configure tracing options.

Options file *filename*—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 `/var/log`.

files *number*—(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. If you specify a maximum number of files, you also must specify a maximum file size with the `size` option.

Range: 2 through 1000

Default: 3 files

flag *flag*—Tracing operation to perform. To specify more than one tracing operation, include multiple `flag` statements. You can include the following flags:

- all—Trace all operations
- application—Trace Diameter application interface events
- configuration—Trace configuration events
- daemon—Trace Diameter daemon level events
- diameter-instance—Trace Diameter instance events
- dne—Trace Diameter network element events
- framework—Trace Diameter framework events
- memory-management—Trace memory management events
- messages—Trace Diameter messages
- node—Trace Diameter node events
- peer—Trace Diameter peer events

level—Level of tracing to perform. You can specify any of the following levels:

- **all**—Match all levels.
- **error**—Match error conditions.
- **info**—Match informational messages.
- **notice**—Match notice messages about conditions requiring special handling.
- **verbose**—Match verbose messages.
- **warning**—Match verbose messages.

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.

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

Related Topics ■ Tracing Diameter Base Protocol Processes

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