

traceoptions (Interface Process)

Syntax traceoptions {
 file <filename> <files number> <match regular-expression> <size size> <world-readable |
 no-world-readable>;
 flag flag <disable>;
 no-remote-trace;
}

Hierarchy Level [edit interfaces]

Release Information Statement introduced before JUNOS Release 7.4.

Description Define tracing operations for the interface process (dcd).

Default If you do not include this statement, no interface-specific tracing operations are performed.

Options disable—(Optional) Disable the tracing operation. You can use this option to disable a single operation when you have defined a broad group of tracing operations, such as all.

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`. By default, interface process tracing output is placed in the file `dcd`.

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

- `change-events`—Log changes that produce configuration events
- `config-states`—Log the configuration state machine changes
- `kernel`—Log configuration IPC messages to kernel
- `kernel-detail`—Log details of configuration messages to kernel

`no-world-readable`—(Optional) Disallow any user to read the log file.

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.

Syntax: *xk* to specify kilobytes, *xm* to specify megabytes, or *xg* to specify gigabytes

Range: 10 KB through the maximum file size supported on your router

Default: 1 MB

world-readable—(Optional) Allow any user to read the log file.

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

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

Related Topics ■ Tracing Operations of the Interface Process

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