

traceoptions

Syntax traceoptions {
 file *file-name* <files *number*> <size *size*> <world-readable | no-world-readable>
 <match *regex*>;
 flag *flag*;
}

Hierarchy Level [edit forwarding-options dhcp-relay],
[edit logical-systems *logical-system-name* forwarding-options dhcp-relay],
[edit logical-systems *logical-system-name* routing-instances *routing-instance-name*
 forwarding-options dhcp-relay],
[edit routing-instances *routing-instance-name* forwarding-options dhcp-relay]

Release Information Statement introduced in JUNOS Release 8.5.

Description Configure tracing operations for extended DHCP relay agent processes.

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

Options *file-name*—Name of the file to receive the output of the tracing operation. Enclose the name in quotation marks (“ ”). All files are placed in a file named *jdhcpd* in the directory */var/log*. If you include the **file** statement, you must specify a filename.

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 and a filename.

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 events
- **auth**—Trace authentication events
- **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` 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: 0 bytes through 4,294,967,295 KB

Default: 128 KB

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

The remaining statements are explained separately.

Required Privilege Level

`interface`—To view this statement in the configuration.

`interface-control`—To add this statement to the configuration.

Related Topics

- Tracing Extended DHCP Operations